## **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPE					
2003B133A International application No.	International filing date (day/mo	day/month/year) Priority date (day/month/year)					
PCT/US03/40340	19 December 2003 (19.12.2003)	•	20 December 2002 (20.12.2002)				
International Patent Classification (IPC)							
TPC(7): COSF 2/06 4/44 4/64 4/68 and U	IPC(7): C08F 2/06,4/44,4/64,4/68 and US Cl.: 526/90,98,124.3,125.7,144,185,206,226,169.2,166						
Applicant							
EXXONMOBIL CHEMICAL PATENTS INC.							
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of	a total of sneets, including	uns cover suc	cci.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of	a total of <u>6</u> sheets.						
3. This report contains indic	ations relating to the following	items:					
I Basis of the report							
II Priority							
III Non-establishn	nent of report with regard to no	ovelty, inventiv	e step and industrial applicability				
IV Lack of unity of	of invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
VI Certain documents cited							
VII Certain defects in the international application							
VIII Certain observations on the international application							
·							
Date of submission of the demand	Da	te of completion	n of this report				
16 July 2004 (16.07.2004)		27 January 2005 (27.01.2005)					
Name and mailing address of the IPEA/US		Authorized officer					
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Ro	Roberto Rábago					
P.O. Box 1450 · Alexandria, Virginia 22313-1450		ephone No. (57	(1) 272-1700				
Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(July	Facsimile No. (703) 305-3230  Form PCT/IPEA/409 (cover sheet)(July 1998)						

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International agention	n No.
PCT/US03/40340	

<u>I.</u> I	Basis	s of the re	eport
			the elements of the international application:*
[	X	-	national application as originally filed.
j	対	the descr	
•		pages 1-9	of as originally filed
		pages NO	ONE, filed with the demand
		pages NO	ONE, filed with the letter of
	$\boxtimes$	the clain	
			, as originally filed, as amended (together with any statement) under Article 19
i		pages No	ONE, as amended (together with any statement) under virtuele 15
		pages No	ONE, filed with the letter of
	$\nabla$	the draw	
	KZ		3 , as originally filed
		nages N	ONE filed with the demand
		pages N	ONE, filed with the letter of
		the sequ	ence listing part of the description:
1		pages N	ONE , as originally filed
1		pages N	ONE , filed with the demand
		pages N	ONE, filed with the letter of
2.	Wi	th regard	to the language, all the elements marked above were available or furnished to this Authority in the which the international application was filed, unless otherwise indicated under this item.
1	The	guage in v ese elemei	onts were available or furnished to this Authority in the following language which is:
1			guage of a translation furnished for the purposes of international search (under Rule23.1(b)).
	<b> </b>		
	<u> </u>	j the lang	guage of publication of the international application (under Rule 48.3(b)).
	L_	the lang	guage of the translation furnished for the purposes of international preliminary examination (under Rules ad/or 55.3).
	**7	15 2.CC broson dt:	to any nucleotide and/or amino acid sequence disclosed in the international application, the
3.	inte	ernational	preliminary examination was carried out on the basis of the sequence listing:
			ned in the international application in printed form.
	一		ogether with the international application in computer readable form.
	F		ned subsequently to this Authority in written form.
	F		ned subsequently to this Authority in computer readable form.
1	$\vdash$		atement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	L	The sta	atement that the subsequently furnished withen sequence histing does not go object that the subsequently furnished.
1			atement that the information recorded in computer readable form is identical to the written sequence listing
	L		en furnished.
1	_		
4	· L	The ar	mendments have resulted in the cancellation of:
-			the description, pages NONE
1			the claims, Nos. NONE
1		П	the drawings, sheets/fig NONE
5	. [	This re	eport has been established as if (some of) the amendments had not been made, since they have been considered to go
- 1	_	hevon	the disclosure as filed as indicated in the Supplemental Box (Rule /0.2(c)).**
1 4	.i	placement	sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ment sheet containing such amendments must be referred to under item 1 and annexed to this report.



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International app PCT/US03/4034	on No.	

INTERNATIONAL I RELEVIE VILLE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<ul> <li>Reasoned statement under Rule 66.2(a)(ii citations and explanations supporting suc</li> </ul>	i) with regard to novelty, inventive step or in th statement	idustrial applicability;
. STATEMENT		
	Claims 22-25,28-32 and 34	YES
Novelty (N)	Claims 1-21,26,27,33 and 35-58	NO
Inventive Step (IS)	Claims 22-25,28-32 and 34	YES NO
	Claims <u>1-21,26,27,33 and 35-58</u>	NO
	Claire 150	YES
Industrial Applicability (IA)	Claims 1-58  Claims NONE	NO
	Ciantis 1767/2	
2. CITATIONS AND EXPLANATIONS The following references cited on the ISR are discupled to the ISR are discussed to the ISR	DOT Article 23(2) 9	s being anticipated by D1. The
reference discloses olefin polymerization in the process 2, line 37, col. 5, lines 18-19 and Examples I	i, III, and IV(d)).	
olefin polymerization in the presence of an HFC c	ovelty under PCT Article 33(2) as being anticipated filuent and a Lewis acid compound (see col. 4, line 2	
reference discloses olefin polymerization in the pr	6 and 48-57 lack novelty under PCT Article 33(2) as resence of an HFC diluent and a Lewis acid compou	
embodiments of these dependent claims.	PCT Article 33(2)-(3), because the prior art does no	
Claims 1-58 meet the criteria set out in PCT Artican be made or used in industry.	icle 33(4), and thus have industrial applicability beca	use the subject matter claimed
NEW CITATIONS		
1		